IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Jong Kil et al. Confirmation No.: 3701
Serial No.: 10/735,944 Examiner: George Robert Evanisko

Filed: 12/12/2003 Art Unit: 3762

Docket No.: A03P1079US02

For: SYSTEM AND METHOD FOR EMULATING A SURFACE EKG

USING INTERNAL CARDIAC SIGNALS SENSED

BY AN IMPLANTABLE MEDICAL DEVICE

SUBMISSION OF NEW DECLARATION AND REMARKS

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Alexandria, VA 22313-1450

Sir:

In the Notice of Allowability mailed November 1, 2007, the Examiner rejected the inventor declaration. Submitted herewith is a new declaration to overcome the rejection; however Applicants respectfully disagree with the rejection for the following reasons.

The Examiner alleges the inventor declaration is defective because the declaration states that the inventor acknowledges a duty to disclose information which is material "to the examination of the application" rather than information material "to patentability" as defined in Section 1.56. Applicants respectfully disagree with the Examiner's rejection of the inventor declaration.

Applicants submit that 37 CFR section 1.63 (see Exhibit A) previously required an acknowledgement of Applicant's duty to disclose information that is "material to the examination of the application". However, in a "Duty of Disclosure" rule change published at 1135 OG 13 (February 4, 1992), Rule 63 was changed so that its language tracked the "material to patentability" language of Rule 56 (See Exhibit B).

In making this change, and in reply to Comment 38 at 1135 OG 17 (see Exhibit C), the Office stated the averments in oath or declaration forms presently in use that comply with the previous section 1.63 or 1.175 will also comply with the requirement of the new rules. The Office also stated. "Therefore, the Office will continue to accept the old oath or declaration forms as complying with the new rules." Applicants therefore submit that the inventor declaration, which complies with the requirements of Rule 63 prior to the 1992 rule change, also complies with the requirements of the current rule and should be accepted.

Moreover, the first page of the Duty of Disclosure Rulemaking (see Exhibit B) as published at 1135 OG 13 (February 4, 1992) explains that an Applicant for a patent also has a duty of candor and good faith in dealing with the Patent Office and that this duty is **broader** than the duty to disclose information material to patentability. Therefore, Applicants submit that the duty to disclose information material to the "examination" of the application (which includes the duty of candor and good faith) as recited in the inventor declaration for the subject application is broader than and includes the duty to disclose information material to the patentability of the application as required by the Examiner.

Applicants therefore submit that the as filed inventor declaration encompasses a broader duty of disclosure and complies with the requirements of 37 CFR 1.63. However, in the interest of moving this case to issuance, Applicants hereby submit a new declaration with the language required by the Examiner.

Respectfully submitted,

Derrick W Reed Registration No. 40.138

Attorney for Applicant(s)

818/493-2200

CUSTOMER NUMBER: 36802

Gode of

Patents, Trademarks and Copyrights

37

Revised as of July 1, 1991



time of filling the application under this section. No copy of the prior application or new specification is required. The filling of such a copy or specification will be considered improper, and a filling date as of the date of deposit of the request for an application under this section will not be estanced to the application unless a petition with the fee set forth in 1.7(R/L) is filled with instructions to

cancel the copy or specification.

(i) The filling of an application under this section will be construed to the condition of the condition of

(g) The filing of a request for a continuing application under this section will be considered to be a request to expressly abandon the prior application as of the filing date granted the continuing application.

(h) The application.

(h) The applicant is urged to furnish the following information relating to the prior and continuing applications to the best of his or her ability:

(1) Title as originally filed and as iast amended;

(2) Name of applicant as originally filed and as last amended;
(3) Current correspondence address

of applicant;
(4) Identification of prior foreign application and any priority claim under

plication and any priority claim under 35 U.S.C. 119. (5) The title of the invention and names of the applicants to be named

in the continuing application.

(i) Envelopes containing only application papers and fees for filing under this section should be marked "Box FWC"

(1) If any application filed under this section is found to be improper, the applicant will be notified and given a time period within which to correct the filing error in order to obtain a filing date as of the date the filing error is corrected provided the correction is made before the payment of

the issue fee, abandonment of, or termination of proceedings on the prior application. If the filing error is not corrected within the time period set, the application will be returned or otherwise disposed of; the fee, if submitted, will be refunded less the handling fee set forth in § 1.2(m).

(35 U.S.C. 6, Pub. L. 97-247)

[48 FR 2710, Jan. 20, 1983, as amended at 49 FR 555, Jan. 4, 1984; 50 FR 9380, Mar. 7, 1985; 54 FR 47519, Nov. 15, 1989]

OATH OR DECLARATION

§ 1.63 Oath or declaration

(a) An oath or declaration filed under § 1.51(a)(2) as a part of an application must:

(1) Be executed in accordance with either § 1.66 or § 1.68;
(2) Identify the specification to

which it is directed;
(3) Identify each inventor and the residence and country of citizenship of each inventor; and

(4) State whether the inventor is a sole or joint inventor of the invention claimed

(b) In addition to meeting the requirements of paragraph (a), the oath or declaration must state that the person making the oath or declaration.

(1) Has reviewed and understands the contents of the specification, including the claims, as amended by any amendment specifically referred to in the oath or declaration:

(2) Believes the named inventor or inventors to be the original and first inventor or inventors of the subject matter which is claimed and for which a patent is sought: and

(3) Acknowledges the duty to disclose information which is material to the examination of the application in accordance with § 1.56(a).

(c) In addition to meeting the requirements of meeting the ready of the section, the sead of the of this section, the section in which celearation in any application in whose first many processing the section of the section profession of the section of the se Patent and Tro

which priority ing the applica day, month and (d) In any c pilcation filed specified in 35 closes and claim dition to that di pending applica ration must also making the oar knowledges the rial information which occurred date of the prio national or PC date of the conti cation

(35 U.S.C. 6, Pub. L. 148 FR 2711, Jan. 24 31, 1983)

\$1.64 Person maki

(a) The oath or made by all of t except as provided or 1.47.

(b) If the person declaration is 1 (§§ 1.42, 1.43, or 1.4 faration shall state the person to the information and which the invent state.

(35 U.S.C. 6, Pub. L. 97 148 FR 2711, Jan. 20, 1

§ 1.66 Officers authoroaths.

(a) The oath or a made before any p United States autho minister oaths. An o eign country may be diplomatic or consu United States autho ter oaths, or before : an official seal and minister oaths in the in which the applicaauthority shall be pr cate of a diplomatic o of the United States, of an official designa country which, by to tion, accords like effec designated officials

n)

the issue fee, abandonment of, or termination of proceedings on the prior application. If the filling error is not corrected within the time period set, the application will be returned or otherwise disposed of; the fee, if submitted, will be refunded less the handling fee set forth in § 1.21(n).

(35 U.S.C. 6, Pub. L. 97-247)

[48 FR 2710, Jan. 20, 1983, as amended at 49 FR 555, Jan. 4, 1984; 50 FR 9380, Mar. 7, 1985; 54 FR 47519, Nov. 15, 1989]

OATH OR DECLARATION

§ 1.63 Oath or declaration.

- (a) An oath or declaration filed under § 1.51(a)(2) as a part of an application must:
- (1) Be executed in accordance with either § 1.66 or § 1.68;
- (2) Identify the specification to which it is directed;
- (3) Identify each inventor and the residence and country of citizenship of
- each inventor; and
 (4) State whether the inventor is a
 sole or joint inventor of the invention
- claimed.

 (b) In addition to meeting the requirements of paragraph (a), the oath or declaration must state that the person making the oath or declara-
- tion:
 (1) Has reviewed and understands
 the contents of the specification, including the claims, as amended by any
 amendment specifically referred to in
- the oath or declaration;
 (2) Believes the named inventor or inventors to be the original and first inventor or inventors of the subject matter which is claimed and for which a patent is sought; and
- (3) Acknowledges the duty to disclose information which is material to the examination of the application in accordance with § 1.56(a).
- (c) In addition to meeting the requirements of paragraphs (a) and (b) of this section, the oath or declaration in any application in which a claim for foreign priority is made pursuant to \$1.55 must identify the foreign application for patent or inventor's certificate on which priority is claimed, and any foreign application having a filling date before that of the application on

Period and Trademark Office, Commerce which priority is claimed, by specifying the application number, country, day, month and year of its filling.

cay, in a succession to fining, polication filed under the hoporditions pecified in 35 U.S.C. 120 which discoses and claims sublect matter in addition to that disclosed in the prior conditions to the disclosed in the prior condition to that disclosed in the prior condition to the disclosed in the prior condition must also state that the person making the oath or declaration making the oath or declaration acknowledges the duty to disclose matterial information as defined in \$1.56(a) which occurred between the filing date of the prior appliestion and the disclosed in the disclosed in the continuation-in-part application of the continuation-in-part application.

(35 U.S.C. 6, Pub. L. 97-247) [48 FR 2711, Jan. 20, 1983; 48 FR 4285, Jan.

§ 1.64 Person making oath or declaration. (a) The oath or declaration must be made by all of the actual inventors except as provided for in §§ 1.42, 1.43,

or 1.47.
(b) If the person making the oath or declaration is not the inventor (§§ 1.42, 1.43, or 1.47), the oath or declaration shall state the relationship of the person to the inventor and, upon information and bellef, the facts which the inventor is required to

(35 U.S.C. 6, Pub. L. 97-247) [48 FR 2711, Jan. 20, 1983]

\$1.66 Officers authorized to administer oaths.

(a) The oath or affirmation may be made before any person within the United States authorized by law to administer oaths. An oath made in a foreign country may be made before any diplomatic or consular officer of the United States authorized to administer oaths, or before any officer having an official seal and authorized to administer oaths in the foreign country in which the applicant may be, whose authority shall be proved by a certificate of a diplomatic or consular officer of the United States, or by an apostille of an official designated by a foreign country which, by treaty or convention, accords like effect to apostilles of designated officials in the United

States. The oath shall be atteated in all cases in this and other countries, by the proper official seal of the officer before whom the oath or affirmation is made. Such oath or affirmation is made. Such oath or affirmation is made with the laws of the State or shall be valid as to execution if it complies with the laws of the State or country where made. When the person before whom the oath or affirmation is made in this country is not provided with the country is not provided with the country is not provided to said the country is not provided as a seal, his official character shall use a seal of the country is not provided as a seal, his official character shall seal by a cartificate for the proper officer having a seal.

(b) When the oath is taken before an officer in a country foreign to the United States, any accompanying application papers, except the drawings. must be attached together with the oath and a ribbon passed one or more times through all the sheets of the application, except the drawings, and the ends of said ribbon brought together under the seal before the latter is affixed and impressed, or each sheet must be impressed with the official seal of the officer before whom the oath is taken. If the papers as filed are not properly ribboned or each sheet impressed with the seal, the case will be accepted for examination, but before it is allowed, duplicate papers. prepared in compliance with the foregoing sentence, must be filed.

(35 U.S.C. 6; 15 U.S.C. 1113, 1123)

[47 FR 41275, Sept. 17, 1982]

§ 1.67 Supplemental oath or declaration.

(a) A supplemental oath or declaration meeting the requirements of \$1.63 may be required to be filed to correct any deficiencies or inaccuracies present in an earlier filed oath or declaration.

(b) A supplemental each or declaration meeting the requirements of \$1.63 must be filed: (1) When a claim is presented for matter originally shown or described but not substantially embraced in the statement of invention or claims originally presented; and (2) When an oath or declaration and (2) When an oath or declaration after the filing of the specifically and any required drawings specifically and improperly refers to an amendment which includes new matter. No new Patent and Trademark Office 37 CFR Parts 1 and 10 Docket No. 910764-1306) RIN: 0651-AA27

Duty of Disclosure

Agency: Patent and Trademark Office, Commerce

Action: Notice of final rulemaking.
Summary: The Patent and Trademark Office (Office) is amend Summary: The Patent and Trademuck Office (Office) is amending the rules of practice in patent cases to (1) clarify the dusty of disclosure for information required to be submitted to the Office; (2) provide featible time limits for submitting information disclosure statements including the requirement for a fore-termination disclosure and the disclosure dis and under other limited circumstances; and (4) climinate the striking of patent applications which are improperly executed. The Office burder is amending the Patent and Trademart Office Code of Professional Responsibility to define as misconduct a failure to comply with the rules on only of disclosure. The rules adopted strike a balance between the need of the Office to as adopted states a usuance between the text of the obtains of consider all known relevant information pertaining to patentiality before a patent is granted and the desire to avoid or minimize unnecessary complications in the enforcement of

Effective Date: March 16, 1992. These rules will be applicable to all applications and reexamination proceedings pending or filed

after the effective date. For Further Information Contact: By telephone Charles E. Van Horn (703-305-9054) or J. Michael Thesz (703-305-9384) or by mail addressed to Commissioner of Patents and Trademarks, Washington, D.C. 2023 i, and marked to the attention of Charles

iii Vun Kiron (Crystal Pate 2 - Room 197).
Supplementary Homation: A notice of proposed rulemaking on duty of disciouse and practitioner misconduct published in the Federal Registers (1974). The proposed rulemaking on duty of disciouse and practitioner misconduct published in the Federal Registers (1974). The Control E. Van Horn (Crystal Park 2 - Room 919). able for public inspection in the Office of the Assistant Commis-sioner for Patents, Room 919, Crystal Park II, 2121 Crystal

Drive, Arlington, VA. Familiarity with the notice of proposed rulemaking is assumed, Changes in the text of the rules published for comment sumed. Changes in the text of the fuel spanning for confident in the notice of proposed rulemaking are discussed. Comments received in writing and at the public hearing in response to the notice of proposed rulemaking are discussed.

The rules as adopted shall take effect as to all applications and reexamination proceedings either pending or filed on or after the effective date of these rules. Thus, any information disclosure statement that is filed on or after that date must comply with the provisions of §§ 1.97 and 1.98 to be entitled to consideration

Changes in Text: The final rules contain several changes to the text of the rules as proposed for comment. Those changes are

discussed below Section 1,17(i)(1) has been changed from the proposed text to reflect the recent increase in the amount of the fee for filing a

petition from \$120.00 to \$130.00. Section 1.56(a) has been clarified to indicate that the duty of an individual to disclose information is based on the knowledge of that individual that the information is material to patentability A sentence has been added to \$1.56(a) to express the principle that the Office does not condone the granting of a patent on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated Hirough had fuith or intentional misconduct. In addition, \$1.56(a) as proposed has been changed to indicate that if all information the Office or submitted to the Office in the manner prescribed by \$\$1.97(h)-(d) and 1.98, the Office will consider as satisfied the

duty to disclose to the Office all information known to be material to patentiability, as contrasted to the honolest duty of endor and good faith. This rule does not attempt to define the referring of conduct that would lack the cander and good faith in dealing with the Office which is expected of individuals who ated with the filling or prosecution of a patent applica-

In \$1.56(b), the pluase "or being made of record hill been neerted to make it clear that information is not material to inserted to make it clear that information is not material to patentability within the meaning of \$1.56 it is cumulative to either information already of record in the application or contem-poraneously being made of record by applicant. For example, there would be no benefit to the Office for applicant to submix to the Office to different documents having the same teaching simply because the information was not cumulative to the infor-

on already of record. mation atready of reconv. The term "creates" has been replaced by the term "establishes" in § 1.56(b)(1). In addition, the definition of a prima facile case of unpatentability, as set out in the preamble of the notice of proposed ulemaking, has been incorporated into the rule listed. A prima facile case of unpatentability of a claim is established when the information compets a conclusion that the claim is

unpatentable

under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable

construction consistent with the specification, and construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a con trary conclusion of patentability.

This prima facie standard conforms to it; standard used by an examiner 10 determine whether a claim is prima facie.

unpatentable. Section 1.56(b)(2) has been modified from the text of the proposed rule. The focus of this paragraph has been changed so that it now relates to information which either refutes, or is

inconsistent with, a position that applicant takes in either
(1) opposing an argument of unpatentability relied on
by the Office, or

(2) asserting an argument of patentability.

The change from the proposed rule makes clear that information is material when it either refutes, or is inconsistent with, a is material which it clause before the Office.

Section 1.97(e) has been changed from the proposed text to make it clear that a certification could contain either of two

statements. One statement is that each item of information in an information disclosure statement was cited in a search report from a patent office outside the U.S. not more than three months prior to the filing date of the statement. Under this certification, would not matter whether any individual with a duty actually knew about any of the information cited before receiving the search report. In the alternative, the certification could state that no Item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual having a duty to disclose more than three months prior to the filing of the statement.

The changes to the text of \$1.97(e) as proposed place the appropriate profession was of \$11.7(c) as proposed place the appropriate profession was also been changed by adding the phrase also been changed by adding the phrase after making reasonable inquiry" to make it clear that the individual making the conflict size here. making the certification has a duty to make reasonable inquiry making the certification has a duty to make reasonable inquiry regarding the facts that are being certified. For example, if an inventor gave a publication to the practitioner prosecuting an application with the intent that it be cited to the Office, the practitioner should inquire as to when that inventor became aware of the publication before submitting a certification under \$1.97(e)(ii) to the Office.

A new paragraph (h) has been added to the text of proposed \$1.97. The purpose of new paragraph (h) is to ensure that no one could construc the mere filing of an information disclosure statement as an admission that the information eited in the statement is, or is considered to be, material to patentability as defined in §1.56(b). It is in the best interest of the Office and the public to permit and encourage individuals to eite information to the Office without fear of making an admission against

interest.

litigation when combined with information not known at the

illigation when combined with information not known at using time of the prosecution to any persons unbetamively involved in the preparation or prosecution of the application.

Reply: Paragraph (a) of \$1.50 makes it clear that the Office recognizes that the duty to disclose material information is limited to such information which is known by an individual limited to such information which is known by an individual substantively involved in the preparation or prosecution of the application. Thus, while information may be material under the definition of \$1.56(b)(1), there can be no duty to disclose in information if it is material only in combination with unknown information

information.

Comment JO One convent utself that proposed \$1,500 housed for the proposed \$1,500 housed \$1,500

ments based on such references.

ments based on such references.

Reply: The suggested modification to § 1.56 has not been adopted.
The suggested language would scenningly require information to be filed in each application, whether the information is relevant or not, those the "closest information" would be required. Section 1.56 does not require information which is not relevant to be submitted, but only information which is not relevant to be submitted, but only information which meets the definition of material as set out in the rule.

Comment 31. One comment stated that if proposed \$1.56(b)(1) is promulgated, there would be no need for proposed \$1.56(b)(2) with regard to information which would make a prima facie case win regard to information which would make a prima factor case of unpatentability and other information required by paragraph (b/2) might be obscure. Another comment argued that paragraph (b)(2) was unnecessary, confusing and ambiguous suggested changes in the language to make the requirement clear

and less ambiguous. Reply: The suggestion as to the language change to \$1.56(b)(2) has been adopted. The final rule language avoids the perceived problem of requiring an applicant to submit information support-ing a position taken by the examiner. It is not appropriate however, to eliminate paragraph (b)(2) because it is an essential part of the definition of information material to patentability and part of the definition of information material to patentiality and will help to ensure that all material facts are brought to the attention of the examiner during the examination process. amention of the examiner during the examination process, Comment 32. One comment questioned the language of po-posed §1.56(b)(2) as to how an applicant could consider a prior are reference as supporting a position of unpatentability taken by the Office while at the same time disputing that interpretation. Raply: The language of §1.56(b)(2) has been modified to clarify the former of the process of the process of the process of the prior o formation is material to patentability if it refutes, or is

inconsistent with, a position the applicant takes in (1) opposing an argument of unpatentability relied on by the Office, or (2) asserting an argument of patentability.

Comment 33. One comment stated that §1.56(b)(2) was flawed in requiring a duty to conduct a file search to make sure that no information exists which even arguably contradicts a position taken or to be taken in response to the examiner, or which supports the examiner's position which may be improper.

Reply: Section 1.56(b)(2) does not require a search of files. Under §1.56(a), the duty of disclosure is confined to that information which is known to an individual to be material as defined

in paragraph (b). Comment 34. One comment stated that proposed §1.56(e) should be noolified so that the duty of any individual designated as

having a duty of disclosure would terminate when such individual ceases to be substantively involved in the preparation or prosecution of the application. The comment used, as an example, an inventor who would not be aware of art cited by the examiner which would cause information known to the inventor to fall within the definition of materiality for the first time

Reply: The suggestion in the comment is not adopted. The duty to disclose information material to patentability rests on the individuals designated in §1.56(e) until the application issues as a patent or becomes abandoned. Paragraph (a) of §1.56 makes it clear, however, that each individual has a duty to disclose only information which is known to that individual to be material. Comment 35. One comment stated that proposed \$1.56(c)(3) should not include the assignee, or anyone to whom there is an obligation to assign the application, in the class of those who

have aduly to disclose material information since there might be a "spitch, hunt" during tiliquition to find one employee with supervision of the production of information that should have the production of the production of the find that of have Reply. No modification to \$1.55(c)(3) is needed alone \$1.55 eres. For this stool by Individual who are associated with the filling and prosecution of a patent application have a door of causes and on the production of the production good rain, negoting a tasy to the best of the or the state of the stat

be revised to expressly allow an inventor to satisfy the duty by disclosing information to the practitioner who prepares or pros-ecutes the application so that redundant information disclosure statements will not be required from both the inventor and the

attorney or agent.

Reply: The suggestion in the comment is not adopted since the duty as described in § 1.56 will be met as long as the information in question was cited by the Office or submitted to the Office in the manner prescribed by §§1.97(b)-(d) and 1.98 before Issuance of the patent. Statements from both an inventor and the ractitioner are not required to be submitted.

practitioner are not required to be authorited.

Comment 37. One comment stated that proposeds print in 1.67(c) and Comment 37. One comment stated that proposeds print in 1.67(c) should be modified of other (1) expressly permit alterate the control of the control of the control of the control of the supplemental outher of control of the control of t should never be condoned.

Reply: The Office does not condone willfully filling out false is. Further, §10.23(c)(11) indicates that the Office consi it misconduct for a practitioner to knowingly file or cause to be filed an application containing a material alteration made after the signing of an accompanying oath or declaration without identifying the alteration. The Office will not consider striking an secutiving measuration. The Office will not consider striking an application in which an alteration was made, but a supplemental oath or declaration is required to be filed in an application containing alterations made after the signing of the oath or declaration.

Comment 38. One comment stated that the implementation of proposed \$\$1.63(b)(3) and 1,175(a)(7) allows for a two-month delay in the deadline for requiring declarations complying there-

Reply: The averments in oath or declaration forms presently in use that comply with the previous \$1.63 or \$1.175 will also comply with the requirements of the new rules. Therefore, the Office will continue to accept the old oath or declaration forms as complying with the new rules.

Comment 39. Five comments questioned the need for the pro-

posed rules since statistics show that information disclosur statements are submitted early in prosecution and questioned what new service is being provided for the proposed fee in § 1.97. Reply: The Office desires to continue to encourage Information to be submitted promptly so that it can be considered by the examiner when the first Office action is prepared. Some people have expressed a desire to have the option of waiting to submit information until after the first Office action, without concern that they will be subject to a charge of inequitable conduct. Section 1.97(e), as amended, will provide this option to applicants in that information will be considered later than three months after the filing date of the application (§1.97(a) prior to mendment) without a showing of promptness (prior \$1.99). The fee will compensate the Office for the added expense caused by the late submission of the information and will serve as a disincentive to the intentional withholding of information even for a short period of time.

Comment 40. Two comments suggested that proposed §1.97(a) be modified so that the mechanism of proposed §1.98 would not be the only acceptable technique for submitting

Reply: The Office has set forth the minimum requirements for information to be considered in §§1.97 and 1.98. These rules will provide certainty for the public of exactly what the requirements e, when the Office will consider information and when the Office will not consider information. Thus, applicants are provided with means for complying with the duty of disclosure by following the rules. If information is submitted in a manner so that it is not considered by the Office, applicant will assume the

